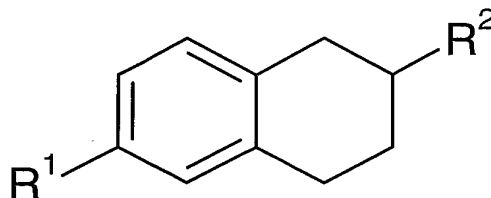


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WHAT IS CLAIMED IS:

1. A compound structurally represented by Formula I

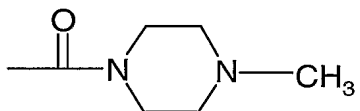


- 5 or pharmaceutically acceptable salts thereof wherein:

R¹ is

-CH₂NR³R⁴,

-CONR³R⁴,



10 R² is

-Hydrogen,

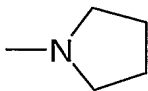
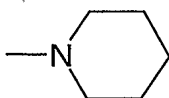
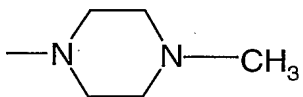
-NH-(C₁-C₆) alkyl,

-NH-(C₁-C₄) alkylene-phenyl,

-NH(C₃-C₆)cycloalkyl,

15

-NR³R⁴,



wherein;

20

R³ is hydrogen,

-(C₁-C₄) alkyl,

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R⁴ is-(C₁-C₄) alkyl,-(C₁-C₄) alkylene -phenyl,

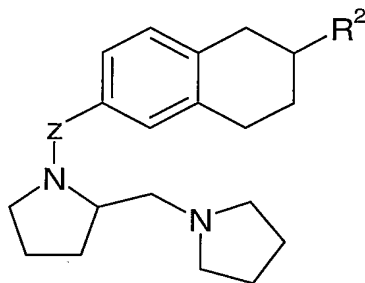
wherein R³ and R⁴ can cyclize to form, together with the nitrogen to which they are attached, a five or six-membered ring, wherein optionally one of the carbons of the ring formed by said nitrogen, R³, and R⁴, is replaced by a nitrogen or oxygen, and wherein said ring is optionally further substituted by R⁵,
and

R⁵ is hydrogen,

-(C₁-C₄) alkyl, wherein optionally R⁵ forms a 3 to five membered ring with the nitrogen containing ring to which it is attached,

-(C₁-C₄) alkylene -N-pyrrolidinyl,-(C₁-C₄) alkylene -N- piperidinyl.

2. A compound structurally represented by Formula II,

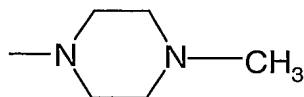


(II)

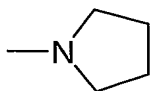
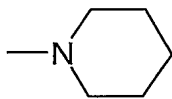
or pharmaceutically acceptable salts thereof wherein:

Z is -carbonyl-, or -CH₂-,R² is

-Hydrogen,

-NH-(C₁-C₆) alkyl,-NH-(C₁-C₄) alkylene-phenyl,-NH(C₃-C₆)cycloalkyl,-NR³R⁴,

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wherein;

R^3 is hydrogen,

5 $-(C_1-C_4)$ alkyl,

R^4 is

$-(C_1-C_4)$ alkylene -phenyl,

wherein R^3 and R^4 can cyclize to form, together with the nitrogen to which they are attached, a five or six-membered ring, wherein optionally one of the carbons of the ring formed by said nitrogen, R^3 , and R^4 , is replaced by a nitrogen or oxygen, and wherein said ring is optionally further substituted by R^5 ,

and

R^5 is hydrogen,

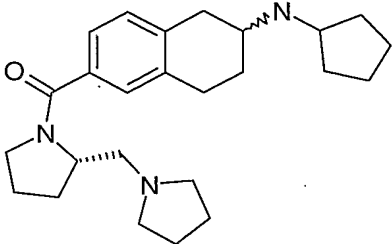
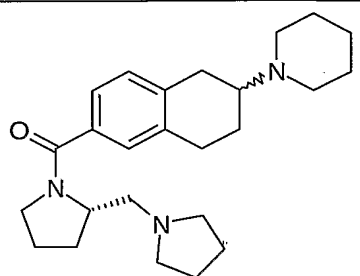
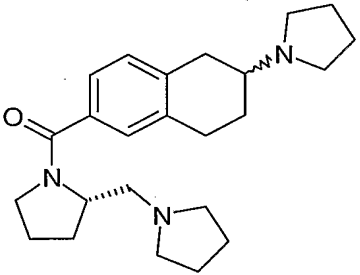
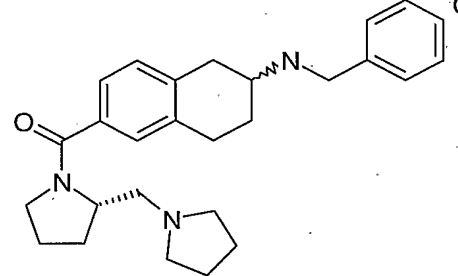
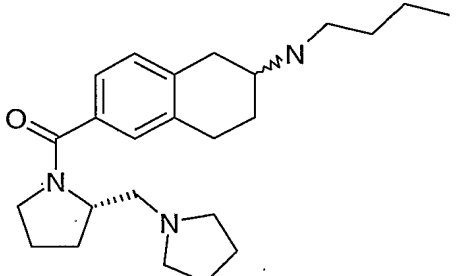
$-(C_1-C_4)$ alkyl, wherein optionally R^5 forms a 3 to five membered ring with the nitrogen containing ring to which it is attached,

$-(C_1-C_4)$ alkylene -N-pyrrolidinyl,

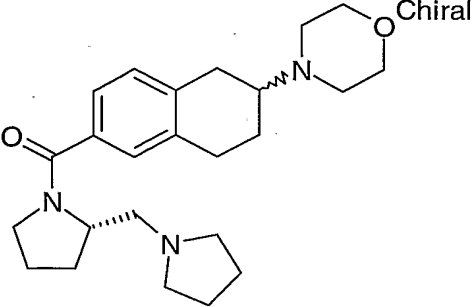
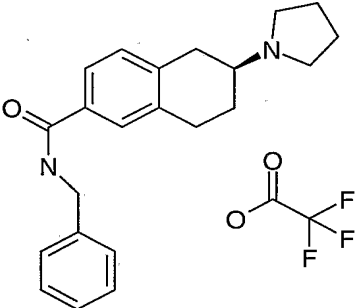
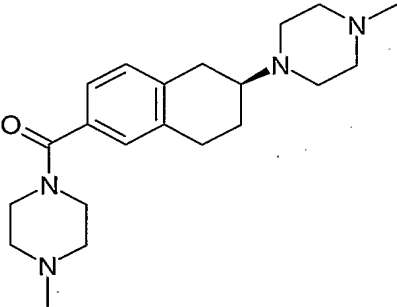
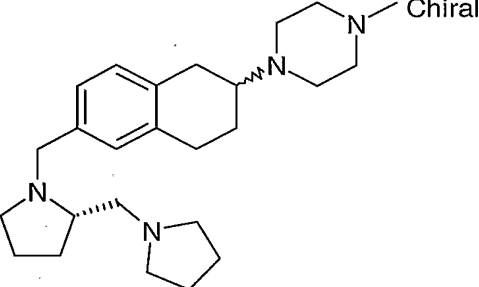
$-(C_1-C_4)$ alkylene -N- piperidinyl.

3. The compound of claim 1, wherein R^1 is $CONR^3R^4$, and R^3 and R^4 cyclize to form, together with the nitrogen to which they are attached, a five membered ring, and said ring is further substituted by $-CH_2-$ pyrrolidinyl.
4. The compound of claim 1, wherein R^1 is $CH_2NR^3R^4$, and R^3 and R^4 cyclize to form, together with the nitrogen to which they are attached, a five membered ring, and said ring is further substituted by $-CH_2-$ pyrrolidinyl.
5. The compound of claim 3 wherein R^2 is NR^3R^4 , and R^3 and R^4 cyclize to form, together with the nitrogen to which they are attached, a five membered ring.
6. The compound of claim 4 wherein R^2 is NR^3R^4 , and R^3 and R^4 cyclize to form, together with the nitrogen to which they are attached, a five membered ring.
7. The compound of claim 1, further represented by any one of formula (Example 1) to (Example 18) selected from the group consisting of:

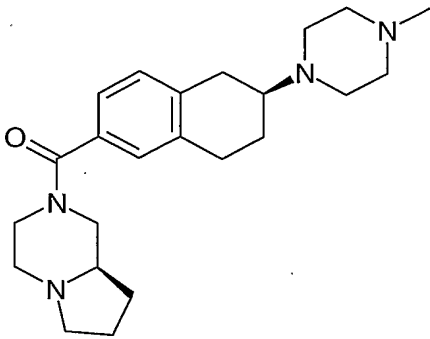
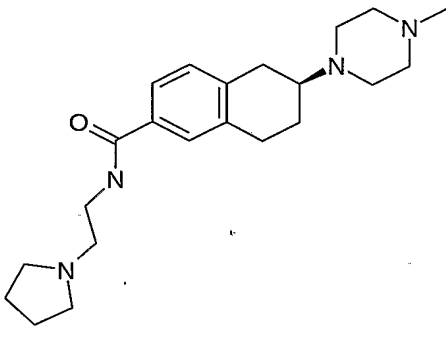
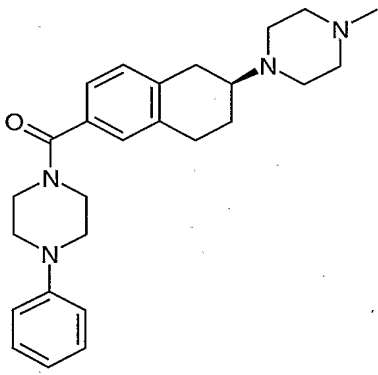
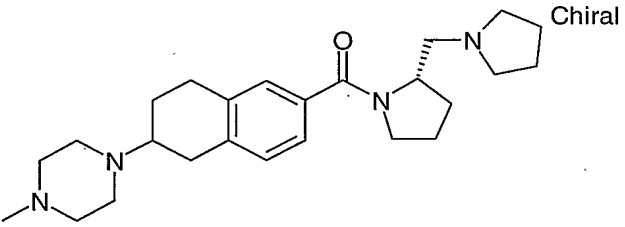
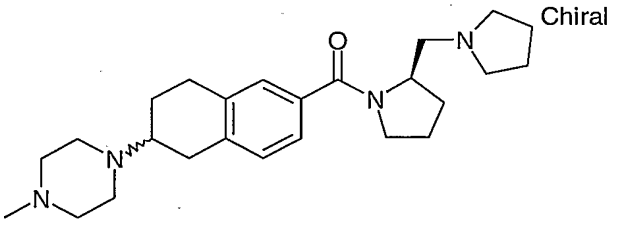
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Example Number	
1	 Chiral
2	 Chiral
3	 Chiral
4	 Chiral
5	 Chiral

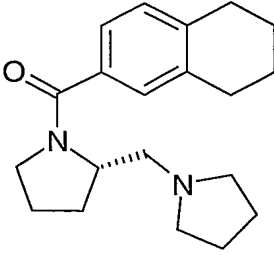
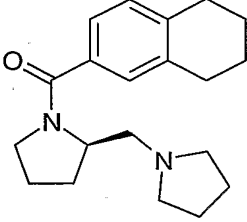
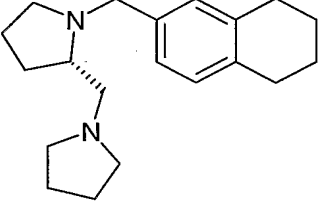
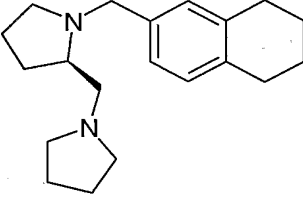
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6	 <p>Chemical structure 6: A bicyclic system (1,2,3,4-tetrahydronaphthalene) with a ketone group at position 1. The ketone is attached to a pyrrolidine ring, which is further attached to another pyrrolidine ring via a dashed bond. The bicyclic system is also attached to a chiral group via a wavy bond.</p>
7	 <p>Chemical structure 7: A bicyclic system (1,2,3,4-tetrahydronaphthalene) with a ketone group at position 1. The ketone is attached to a pyrrolidine ring, which is further attached to a benzyl group via a dashed bond. The bicyclic system is also attached to a trifluoromethyl group via a wavy bond.</p>
8	 <p>Chemical structure 8: A bicyclic system (1,2,3,4-tetrahydronaphthalene) with a ketone group at position 1. The ketone is attached to a piperidine ring, which is further attached to a methyl group via a dashed bond. The bicyclic system is also attached to a methyl group via a wavy bond.</p>
9	 <p>Chemical structure 9: A bicyclic system (1,2,3,4-tetrahydronaphthalene) with a ketone group at position 1. The ketone is attached to a pyrrolidine ring, which is further attached to another pyrrolidine ring via a dashed bond. The bicyclic system is also attached to a chiral group via a wavy bond.</p>

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10	
11	
12	
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15	
16	 Chiral
17	 Chiral
18	 Chiral

or a pharmaceutically acceptable salt or solvate thereof.

8. A pharmaceutical composition which comprises a compound of any of claims 1-7 and a pharmaceutically acceptable carrier.

5 9. A method for treatment or prevention of a cognitive disorder which comprises administering to a subject in need of such treatment or prevention an effective amount of a compound of any of Claims 1-7.

10. The method of Claim 9 wherein the antagonist is a pharmaceutical composition of claim 8.

10 11. A method for treatment or prevention of obesity which comprises administering to a subject in need of such treatment or prevention an effective amount of a compound of any of Claims 1-7.

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12. The method of Claim 11 wherein the antagonist is a pharmaceutical composition of claim 8.
13. A method for treatment or prevention of a wakefulness disorder which comprises administering to a subject in need of such treatment or prevention an effective
5 amount of a compound of any of Claims 1-7.
14. The method of Claim 13 wherein the antagonist is a pharmaceutical composition of claim 8.
15. A method for treatment or prevention of a disorder or disease in which inhibition of the histamine H3 receptor has a beneficial effect which comprises
10 administering to a subject in need of such treatment or prevention an effective amount of a compound of any of claims 1-7.